Claims

[c1] An inflatable seal cleaning system, for manufacturing processes where an inflatable seal is in direct or indirect contact with a solution which can adhere to the inflatable seals, consisting of:

a.one or more spray nozzles, mounted above the seal, directed downward toward the seal in such a manner as to impact the seal and chamber above the seal in a fan pattern, with sufficient velocity to reflect the spray to the opposite wall,

b.a pump, controlled to deliver individual pulses of water to the spray nozzles at 40 psig,

c.one or more solenoid valves to direct the pulses of water to individual spray nozzles,

d.one or more mounting blocks, securing the spray nozzles in such a way as to direct the water spray downward at 30 degrees from horizontal toward the seal face, e.rigid or semi-rigid tubing to conduct the water flow from the pulse pump to the spray nozzles.

- [c2] The device in claim 1, where the manufacturing process is the catalytic converter honeycomb coating process.
- [03] The device in claim 1, where the spray nozzle is a flat fan

- spray nozzle, with between 80 degrees and 180 degrees of spray angle.
- [c4] The device><emphasis></emphasis>water spray pressure is between 20 psig and 125 psig.
- [c5] The device in claim 1 where the spray angle from the spray nozzle to the seal is between 15 degrees and 45 degrees.
- [c6] The device in claim 1, where the mounting blocks are incoporated into the process equipment, such as tapping the inner wall of the coating chamber.
- [c7] The device in claim 1, where the pump is replaced with a pressurized water supply system.
- [08] The device in claim 1, where the number of solenoid valves and nozzles is from one to eight.
- [c9] The device in claim 2, where the spray system is actuated after the coated substrate has been removed from the coating chamber.
- [c10] The device in claim 2, where the spray system is actuated multiple times after each substrate is removed from the coating chamber,
- [c11] The device in claim 2, where the spray system is actu-

ated following a fixed number of coating operations.

[c12] The device in claim 1,here the seals are mounted in any orientation.